

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	65	((MAMORU) near2 (USAMI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 15:34
S2	18	((JUNI CHI) near2 (IDE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 15:34
S3	20	((HARUHIKO) near2 (YAMAGUCHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 15:34
S4	22	((TOMOKI) near2 (USHIDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 15:34
S5	5560	((TDK) near2 (corporation)).as.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 15:35
S6	822	S5 and (optical near2 recording)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 15:35
S7	1	("20060177534").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 15:37
S8	2	((("20050201264") or ("20040149111")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 18:42
S9	2	"US 20040149115"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/08/27 18:42
S10	2	"US 20040212122"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/08/27 18:43
S11	1	("3634916").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/17 13:35
S12	1	("5541910").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/17 13:38
S13	94451	center near2 hole	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:08
S14	26793	disk\$like	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:08
S15	229847	ultra\$sound or ultra\$sonic	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:09
S16	25	(S14 with S13) and S15	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:09
S17	46	(S14 same S13) and S15	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:12
S18	1163425	substrate	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:15
S19	747	S14 near2 S18	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:15

S20	60	S19 and S15	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:15
S21	45062	center near2 hole	FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/17 15:56
S22	5993	disk\$like	FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/17 15:56
S23	175748	ultra\$\$ound or ultra\$\$onic	FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/17 15:56
S24	0	(S21 with S22) and S23	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:57
S25	0	(S21 same S22) and S23	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/17 15:57
S26	1556866	substrate	FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/17 15:58
S27	262	S22 near2 S26	FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/17 15:58
S28	3	S27 and S23	FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/17 15:59
S29	473	264/1.33	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/18 14:40
S30	2	((("5541910") or ("5859834")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/21 12:24
S31	3	"6740181"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 12:44
S33	5	((optical near3 medium) and ((center near2 hole) or (through near2 hole)) and (cut or cutting) and (punch)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 13:22
S34	241	((optical near3 medium) and ((center near2 hole) or (through near2 hole)) and (cut or cutting) and (punch)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 12:54
S35	1	("5827593").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/24 13:00
S36	2	((("5827593") or ("6743527")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/24 13:11
S37	349	(264/1.33).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/24 13:47
S38	5	((optical near3 medium) and ((center near2 hole) or (through near2 hole)) and (cut or cutting) and (punch)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 13:48
S39	0	S37 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 13:48
S40	2	((("7096770") or ("7047859")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/28 14:05

S41	3	((("4581188") or ("3728062") or ("3970023"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/28 14:19
S42	66	((MAMORI) near2 (USAMI)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:16
S43	19	((JUNI CHI) near2 (IDE)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:17
S44	20	((HARUHIKO) near2 (YAMAGUCHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:18
S45	23	((TOMOKI) near2 (USHIDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:18
S46	6013	((TDK) near2 (corporation)). as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:19
S47	872	S46 and (optical near2 recording)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:19
S48	6013	((TDK) near2 (corporation)). as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:20
S49	872	S48 and (optical near2 recording)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:20
S50	207728	@ad> "20081117" @prad> "20081117" @pd> "20081117"	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:22
S51	1	S42 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:22
S52	1	S43 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:25
S53	0	S44 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:25
S54	1	S45 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:25
S55	33	S47 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:25
S56	97157	center near2 hole	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:28
S57	27401	disk\$like	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:28
S58	239923	ultra\$sound or ultra\$sonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:28
S59	25	(S56 with S57) and S58	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:29
S60	47	(S56 same S57) and S58	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:30
S61	1	S60 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:30
S62	1211778	substrate	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:30
S63	781	S57 near2 S62	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:31

S64	34	S63 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 19:31
S65	489	264/1.33	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 12:54
S66	211706	@ad> "20081117" @prad> "20081117" @pd> "20081117"	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 12:55
S67	16	S65 and S66	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 12:55
S68	32	((center near2 hole) and (circular near2 cut)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 13:22
S69	1	("5827583").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/14 13:48
S71	489	264/1.33	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 16:20
S72	32	((center near2 hole) and (circular near2 cut)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 16:20
S73	1	S71 and S72	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 16:20

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	88758	center near2 hole	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:24
L2	19923	disk\$like	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:24
L3	251796	ultra\$sound or ultra \$sonic	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:24
L5	26	(I1 with I2) and I3	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:25
L6	50	(I1 same I2) and I3	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:26
L7	1271839	substrate	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:26
L8	800	I2 near2 I7	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:27
L9	499	264/1.33	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:27
L10	33	((center near2 hole) and (circular near2 cut)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:27
L11	1	I9 and I10	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/03 16:28

9/3/2009 4:31:31 PM

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